

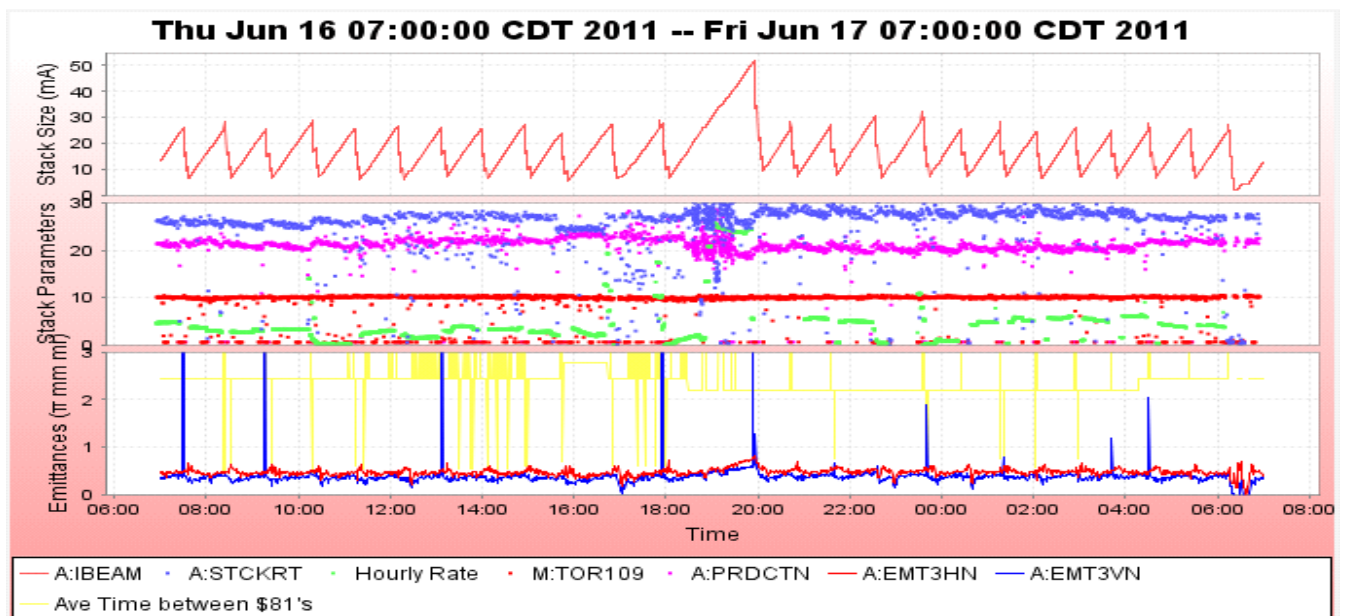
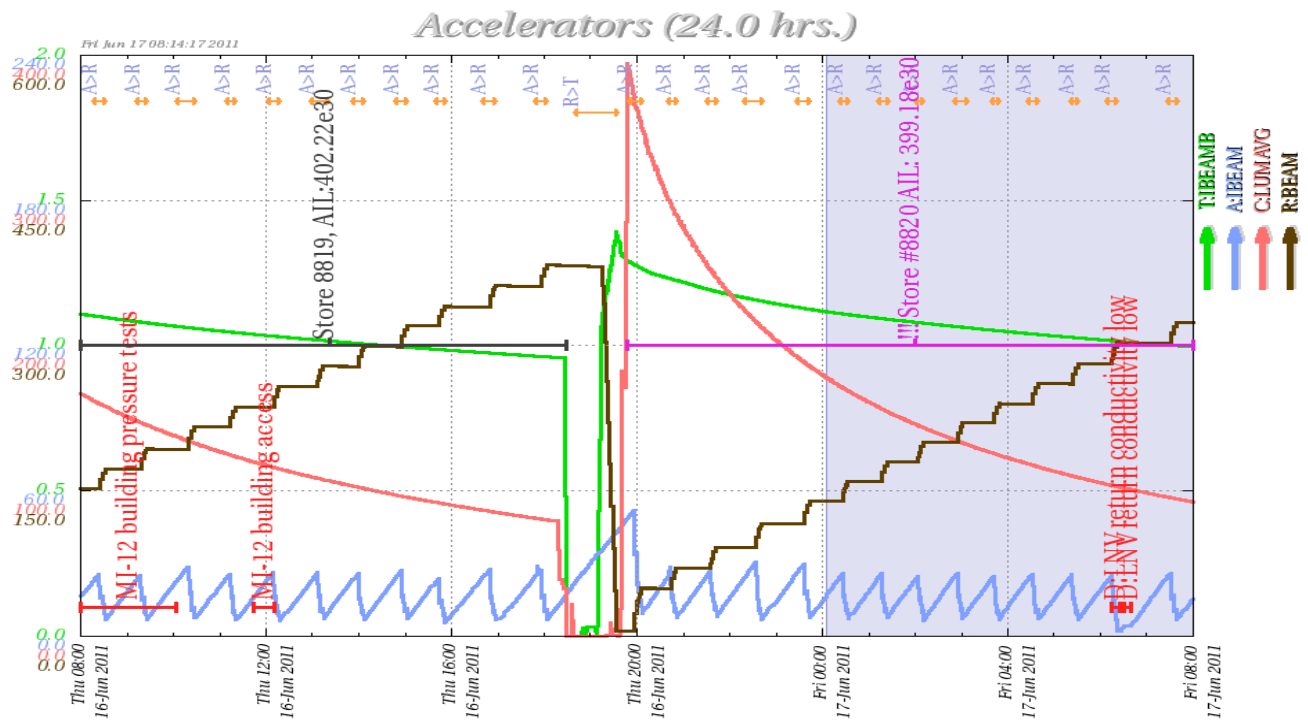
2011-06-17 Friday Morning Notes

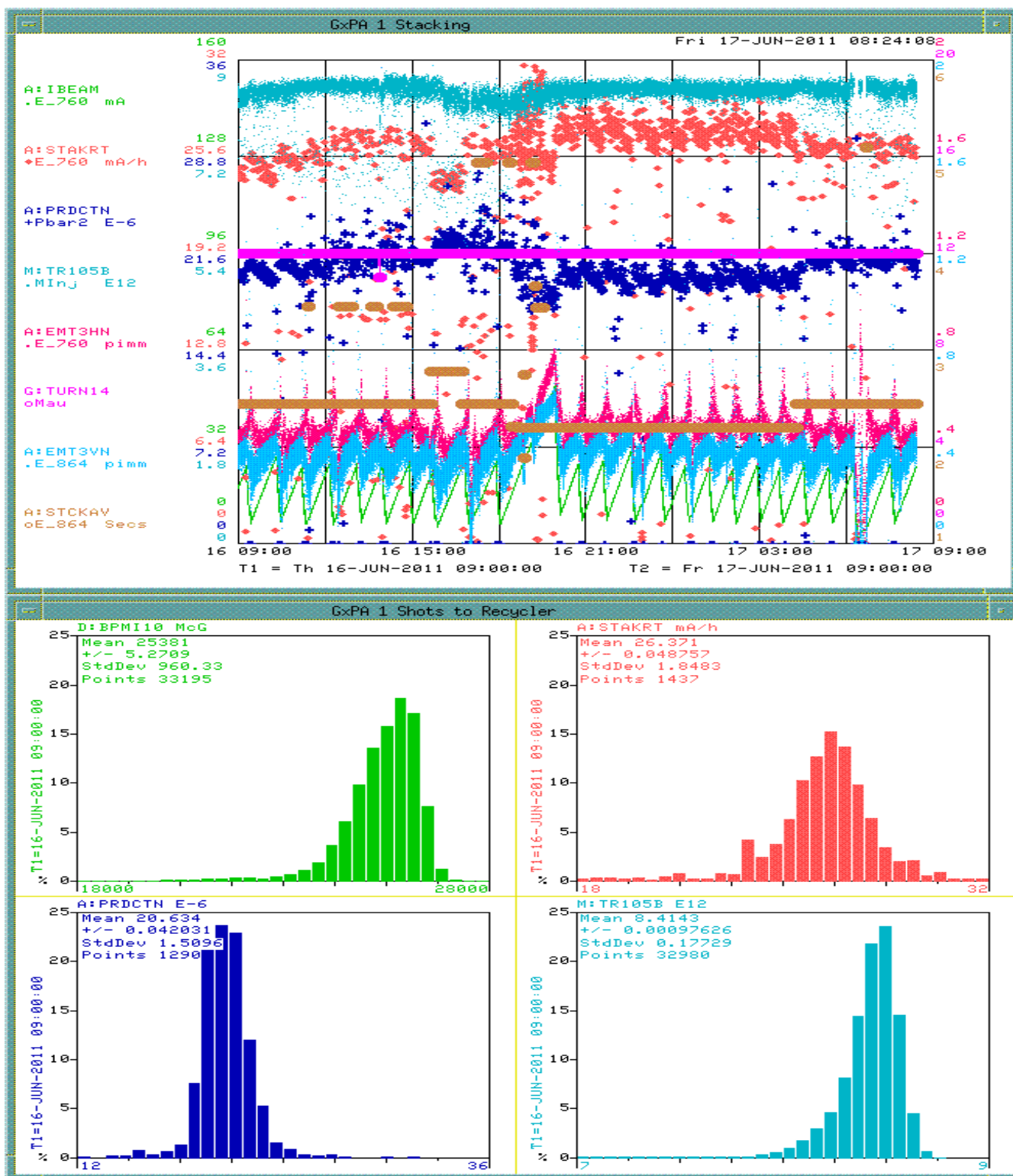
Friday, June 17, 2011
8:01 AM

Number:

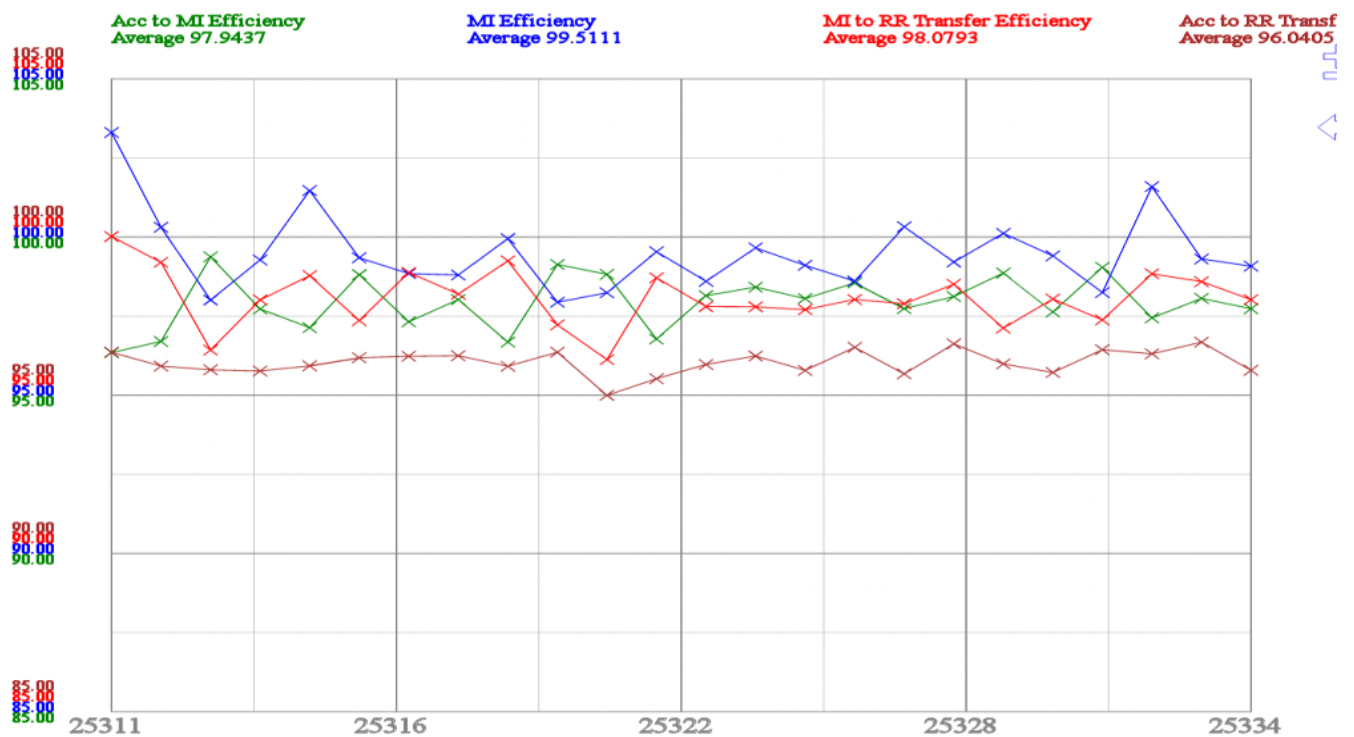
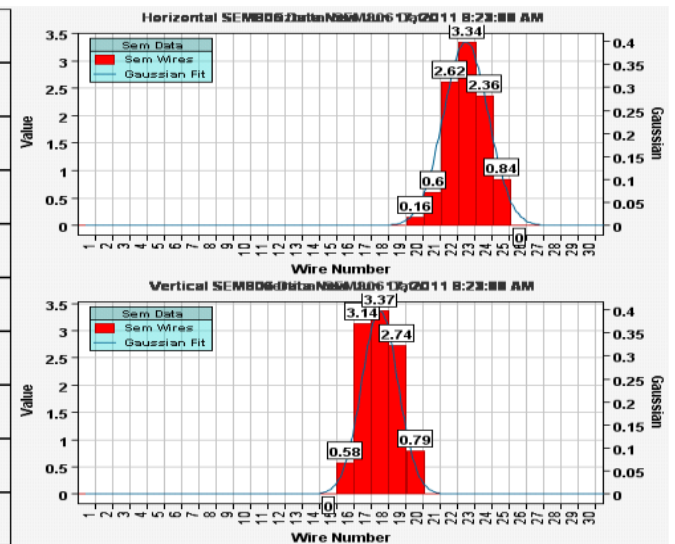
- Stacking
 - Pbars stacked: 593.10 E10
 - Time stacking: 23.73 Hr
 - Average stacking rate: 24.99 E10/Hr
- Uptime
 - Number of pulses while in stacking mode: 35509
 - Number of pulses with beam: 34118
 - Fraction of up pulses was: 96.08%
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 22.80 Hr
 - Possible average stacking rate: 26.01 E10/Hr
 - Could have stacked: 617.28 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 586.98 E10
 - Number of transfers : 76
 - Number of transfer sets: 24
 - Average Number of transfer per set: 3.17
 - Time taken to shoot including reverse proton tuneup: 00.27 Hr
 - Transfer efficiency: 95.87%
- Other Info
 - Average POT : 8.39 E12
 - Average production: 20.72 pbars/E6 protons

Plots:





Horizontal Area New	9.93	Intensity
Horizontal Area Calc	176.1	Intensity
Horizontal Sigma New	3.32	mm
Horizontal Sigma Calc	3.14	mm
Horizontal Mean	23.92	mm
Vertical Area New	10.61	Intensity
Vertical Area Calc	183.52	Intensity
Vertical Sigma New	3.1	mm
Vertical Sigma Calc	2.91	mm
Vertical Mean	9.0	mm



Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3 Transfer Time	Column 21 Number _20_A-I BEAMB sampled on \$91 (A:BEA M7), E10	Column 22 Number _21_A-I BEAMB sampled on \$94 (A:BEA M9), E10	Unstacked (mA)	Column 23 Number _22_R-B EAMS (R:BEA ME0[0]) pre sfer E10	Column 24 Number _23_R-B EAM (R:BEA ME0[1]) post sfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Trans fers	Sets	Column 5 Number_4_Acc Horizontal Emittanc e	Column 6 Number_5_Acc Vertical Emittan ce	Column 8 Number_7_Acc Longitu dinal Emittan ce	
	Totals =>			587.93		564.08	95.94%	98.00%	97.52%	95.57%	76	25	4.5836	3.4788	2.0205		
	Daily Average =>			587.93		564.08					76	25					
25334	Friday, June 17, 2011	7:31	26.51	6.69	22.50	302.44	323.83	21.56	95.82%	97.54%	97.12%	94.73%	3	1	4.793	3.569	2.024
25333	Friday, June 17, 2011	6:14	25.38	2.21	23.28	281.00	303.24	22.47	96.50%	98.06%	97.33%	95.44%	3	1	2.794	1.58	1.921
25332	Friday, June 17, 2011	5:24	25.97	6.79	21.90	260.57	281.46	21.09	96.32%	97.60%	98.03%	95.68%	3	1	4.561	3.442	2.005
25331	Friday, June 17, 2011	4:32	26.06	6.79	22.00	239.95	260.99	21.24	96.55%	99.04%	97.65%	96.70%	3	1	4.743	3.536	2.042
25330	Friday, June 17, 2011	3:41	25.06	6.95	20.83	220.54	240.36	19.97	95.84%	97.92%	97.34%	95.32%	3	1	4.841	3.399	2.048
25329	Friday, June 17, 2011	2:54	26.39	7.31	21.82	199.99	220.80	20.96	96.05%	98.78%	98.86%	97.65%	3	1	4.66	3.59	2.027
25328	Friday, June 17, 2011	2:04	24.97	6.66	20.93	180.21	200.23	20.22	96.61%	98.27%	97.22%	95.54%	3	1	4.469	3.431	2.047
25327	Friday, June 17, 2011	1:16	26.07	7.39	21.39	160.08	180.50	20.45	95.61%	97.85%	97.72%	95.62%	3	1	4.922	3.642	2.074
25326	Friday, June 17, 2011	0:26	25.97	7.40	21.32	139.89	160.31	20.59	96.57%	98.10%	97.27%	95.42%	3	1	4.602	3.438	2.039
25325	Thursday, June 16, 2011	23:36	30.07	7.47	25.26	116.07	140.10	24.20	95.80%	98.29%	97.27%	95.61%	3	1	4.605	3.807	2.02
25324	Thursday, June 16, 2011	22:33	30.76	6.58	26.07	91.25	116.21	25.08	96.21%	98.35%	98.21%	96.58%	3	1	4.61	3.355	1.983
25323	Thursday, June 16, 2011	21:35	27.43	7.80	22.39	69.98	91.42	21.50	96.00%	98.45%	97.34%	95.84%	3	1	4.814	3.648	2.026
25322	Thursday, June 16, 2011	20:44	26.34	7.45	21.64	49.48	70.10	20.68	95.54%	96.88%	96.51%	93.50%	3	1	4.505	3.672	2.027
25321	Thursday, June 16, 2011	19:56	52.25	9.33	46.82	5.58	49.64	44.35	94.72%	98.64%	97.38%	96.06%	4	1	5.984	4.431	1.989
25320	Thursday, June 16, 2011	17:56	27.79	6.63	23.83	360.96	383.58	22.94	96.30%	98.56%	97.42%	96.02%	3	1	4.507	3.502	2.009
25319	Thursday, June 16, 2011	16:49	27.72	6.61	23.80	339.67	362.27	22.87	96.09%	97.20%	96.46%	93.76%	3	1	4.669	3.711	2.028
25318	Thursday, June 16, 2011	15:44	24.37	5.49	21.32	320.43	340.70	20.49	96.12%	98.07%	97.21%	95.34%	3	1	4.429	3.415	2.007
25317	Thursday, June 16, 2011	14:55	27.42	6.87	23.27	298.90	321.12	22.40	96.26%	97.42%	96.84%	94.34%	3	1	4.692	3.625	2.023
25316	Thursday, June 16, 2011	13:59	26.05	6.56	22.21	278.46	299.58	21.33	96.02%	98.58%	98.14%	96.75%	3	1	4.437	3.293	2.03
25315	Thursday, June 16, 2011	13:06	26.57	7.13	22.22	257.91	279.05	21.31	95.90%	97.60%	98.55%	96.18%	3	1	4.675	3.618	2.033
25314	Thursday, June 16, 2011	12:09	26.89	6.22	23.17	236.36	258.39	22.19	95.78%	98.12%	97.47%	95.64%	3	1	4.375	3.246	2.019
25313	Thursday, June 16, 2011	11:13	25.97	6.53	21.97	215.86	236.79	21.07	95.89%	98.90%	97.52%	96.44%	3	1	4.516	3.629	2.031
25312	Thursday, June 16, 2011	10:19	28.88	7.27	24.20	193.15	216.19	23.18	95.77%	96.90%	96.89%	93.89%	3	1	4.475	3.382	2.023
25311	Thursday, June 16, 2011	9:18	25.78	6.64	21.78	172.62	193.48	21.02	96.52%	96.67%	99.59%	96.27%	3	1	4.513	3.449	2
25310	Thursday, June 16, 2011	8:25	26.29	6.91	22.02	152.00	172.82	20.94	95.11%	97.57%	96.94%	94.59%	3	1	4.398	3.56	2.037